



#47

07/763,395

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Form PTO—1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Docket Number 342	Application Number 07/763,395
	Applicant Gilbert Hyatt	
	Filing Date September 20, 1991	Group Art Unit 2784

EXAMINER INITIAL	U.S. PATENT DOCUMENTS				
	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS
	2,811,579	10/29/57	Loughren	348	760
	3,099,781	07/1963	Herchenroeder	318	571
	3,121,861	06/1960	Alexander	345	207
	3,178,148	04/65	McKenna	395	555
	3,252,148	05/66	Mitchell	327	144
	3,465,298	09/1969	La Duke	364	474.0
	3,532,813	10/06/70	Lechner		
	3,573,852	04/71	Watson	395	677
	3,576,540	04/1971	Fair	364	138
	3,591,781	07/1971	Brenza	364	474.28
	3,599,180	08/71	Rubinstein	365	150
	3,612,976	10/1971	Tripp	364	183
	3,617,718	11/71	Dummermuth	318	571
	3,629,837	12/1971	Fraunfelder et al	455	38.4
	3,633,013	01/1972	Dummermuth	318	571
	3,641,331	02/72	Kreidermacher	708	624
	3,649,755	03/14/72	Newman	348	602
	3,653,161	04/1972	Clark	318	569
	3,676,585	07/11/72	Kaneko et al	178	6.8
	3,699,317	10/1972	Middleditch	364	474.29
	3,701,019	10/1972	Jackson	340	518
	3,702,462	11/72	England	395	821
	3,705,310	12/72	Wild	349	24
	3,732,366	05/08/73	Bolie	340	146.3
	3,742,483	06/73	Ogle	345	69
	3,776,615	12/73	Tsukamoto et al	345	87
	3,781,865	12/25/73	Yamazaki		

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	Applicant Gilbert Hyatt	
	Filing Date September 20, 1991	Group Art Unit 2784

U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS
	3,786,307	01/15/74	Robinson	315	169TV
	3,883,728	05/13/75	Schwartz et al	235	152
	3,895,861	07/22/75	Herndon	352	69
	3,899,662	08/12/75	Kreeger et al	235	152
	3,899,786	08/75	Greubel et al	345	32
	3,915,548	10/75	Opittek et al	345	87
	3,952,296	04/1976	Bates	345	19
	3,958,220	02/1986	Marshall		
	3,975,661	08/17/76	Kanatani	348	78
	4,005,928	02/77	Kmetz et al	345	195
	4,006,298	02/01/77	Fowler et al	345	147
	4,087,792	05/02/78	Asars	345	147
	4,125,873	11/78	Chesarek		
	4,160,191	07/03/79	Hausfeld	315	169.4
	4,179,586	12/1979	Mathews et al	380	33
	4,188,580	02/1980	Nicolai et al	380	254
	4,188,618	12/1971	Weisbart	340	870.16
	4,198,630	04/15/80	Sarinken et al		
	4,205,389	05/80	Heartz	345	524
	4,245,248	01/13/81	Netravali et al	358	136
	4,266,253	03/05/81	Matherat	345	27
	4,287,529	09/81	Tatami et al	348	616
	4,317,169	02/82	Panepinto, Jr. et al	711	106
	4,357,624	11/1982	Greenberg	348	578
	4,386,367	05/31/83	Peterson et al	348	446
	4,427,978	01/24/84	Williams		
	4,430,673	02/1984	Salomon et al		
	4,494,140	01/1985	Michael	348	415

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	Applicant Gilbert Hyatt	
	Filing Date September 20, 1991	Group Art Unit 2784

U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS
	4,496,972	01/1985	Lippmann et al		
	4,533,942	8/1985	Gall et al	358	78
	4,533,950	08/1985	Harshbarger		
	4,543,572	09/24/85	Tanaka et al	340	995
	4,553,222	11/1985	Kurland et al	705	15
	4,581,721	04/86	Gunawardana	365	230
	4,589,022	05/13/86	Prince et al	348	602
	4,591,848	05/27/86	Morozumi et al		
	4,591,902	05/86	Masubuchi	345	147
	4,600,919	07/1986	Stern	345	473
	4,614,941	09/1986	Jarvis		
	4,628,158	12/04/86	Rubin	379	10
	4,651,287	3/1987	Tsao	364	519
	4,654,877	03/87	Shimoni, et al.		
	4,677,576	06/30/87	Berlin, Jr. et al	364	522
	4,679,082	07/1987	Shibasaki	348	466
	4,716,405	12/29/87	Yamaguchi	340	723
	4,723,171	02/02/88	Kuijk et al		
	4,766,430	08/23/88	Gillette et al	345	89
	4,771,279	09/88	Hannah	345	147
	4,791,417	12/13/88	Bobak		
	4,803,551	02/1989	Park	348	466
	4,820,222	04/1989	Holmberg et al	345	93
	4,827,085	05/02/89	Yaniv et al	345	164
	4,829,372	05/1989	McCalley et al	348	7
	4,839,743	06/1989	Best et al	386	31
	4,897,724	01/1990	Veldhuis		
	4,930,049	05/29/90	Davenport et al		

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	Applicant Gilbert Hyatt	
	Filing Date September 20, 1991	Group Art Unit 2784

EXAMINER INITIAL	U.S. PATENT DOCUMENTS				
	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS
	4,965,559	10/23/90	Dye	340	717
	4,965,825	10/1990	Harvey et al	380	9
	5,081,523	01/1992	Frazier	348	178
	5,122,791	06/16/92	Gibbons et al	345	102
	5,124,695	08/23/92	Green		
	5,185,602	02/09/93	Basseti, Jr. et al	345	89
	5,196,839	03/23/93	Johary et al	340	793
	5,233,340	08/03/93	Yamaguchi et al	345	148
	5,262,698	11/16/93	Dunham	315	169.1
	5,867,166	02/02/99	Myhrvold et al	345	419
	OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)				
	Foley et al., Computer Graphics: Principles & Practice, p. 4-7, 201-203, 230-231, 350-351, 364-371, 864-871 (1992)				
	Brickman, N.F., <u>LARGE SCALE INTEGRATION</u> , IBM Tech. Discl. Bul. pp. 1927-1928, Vol. 13 No. 7, Dec. 1970				
	Brickman, N.F., <u>REDUNDANT MEMORY CELL AND DECODER</u> , IBM Tech. Discl. Bul., Vol. 13 No. 7, Dec. 1970				
	Meagher, Donald: "Efficient Synthetic Image Generation of Arbitrary 3-D Objects", 1982 IEEE, pp. 473-478				
	Pertinent Concepts in Computer Graphics edited by M. Faiman and J. Nievergelt (03/1969)				

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	4,543,572	09/24/85	Tanaka et al	340	995
	4,600,919	07/1986	Stern	345	473

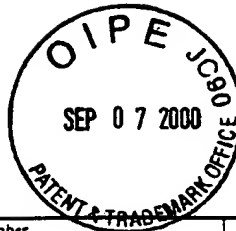
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)Meagher, Donald: "Efficient Synthetic Image Generation of Arbitrary 3-D Objects", 1982
IEEE, pp. 473-478

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	4,125,873	11/78	Chesarek		
	4,654,877	03/87	Shimoni, et al.		
OTHER DOCUMENTS <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>					
	Brickman, N.F., <u>LARGE SCALE INTEGRATION</u> , IBM Tech. Discl. Bul. pp. 1927-1928, Vol. 13 No. 7, Dec. 1970				
	Brickman, N.F., <u>REDUNDANT MEMORY CELL AND DECODER</u> , IBM Tech. Discl. Bul., Vol. 13 No. 7, Dec. 1970				

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	4,006,298	02/01/77	Fowler et al	345	147
	4,087,792	05/02/78	Asar's	345	147
	4,160,191	07/03/79	Hausfeld	315	169.4
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	4,357,624	11/1982	Greenberg	348	57
	4,386,367	05/31/83	Peterson et al	348	44
	4,430,673	02/1984	Salomon et al		
	4,533,950	08/1985	Harshbarger		
	4,589,022	05/13/86	Prince et al	348	602
	4,716,405	12/29/87	Yamaguchi	340	723
	4,766,430	08/23/88	Gillette et al	345	89
	4,827,085	05/02/89	Yaniv et al	345	164
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	4,965,559	10/23/90	Dye	340	717
	5,122,791	06/16/92	Gibbons et al	345	102
	5,185,602	02/09/93	Bassetti, Jr. et al	345	89
	5,196,839	03/23/93	Johary et al	340	793
	5,233,340	08/03/93	Yamaguchi et al	345	148
	5,262,698	11/16/93	Dunham	315	169.1

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS
	3,178,148	04/65	McKenna	395	555
	3,252,148	05/66	Mitchell	327	144
	3,532,813	10/06/70	Lechner		TC 2700 MAIL ROOM
	3,573,852	04/71	Watson	395	672
	3,617,718	11/71	Dumnermuth	318	570
	3,676,585	07/11/72	Kaneko et al	178	6.8
	3,702,462	11/72	England	395	82
	3,705,310	12/72	Wild	349	24
	3,732,366	05/08/73	Bolie	340	146
	3,742,483	06/73	Ogle	345	69
	3,776,615	12/73	Tsukamoto et al	345	87
	3,781,865	12/25/73	Yamazaki		
	3,899,786	08/75	Greubel et al	345	32
	3,915,548	10/75	Opittek et al	345	87
	4,005,928	02/77	Kmetz et al	345	195
	4,198,630	04/15/80	Sarinken et al		
	4,205,389	05/80	Heartz	345	524
	4,245,248	01/13/81	Netravali et al	358	136
	4,287,529	09/81	Tatami et al	348	616
	4,317,169	02/82	Panepinto, Jr. et al	711	106
	4,427,978	01/24/84	Williams		
	4,581,721	04/86	Gunawardana	365	230.09
	4,591,848	05/27/86	Morozumi et al		
	4,591,902	05/86	Masubuchi	345	147
	4,628,158	12/04/86	Rubin	379	10
	4,677,576	06/30/87	Berlin, Jr. et al	364	522
	4,723,171	02/02/88	Kuijk et al		

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	4,791,417	12/13/88	Bobak		
	4,930,049	05/29/90	Davenport et al		
	5,124,695	08/23/92	Green		
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Form PTO—1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Docket Number	Application Number
	Applicant Gilbert Hyatt	
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U.S. PATENT DOCUMENTS					
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	3,099,781	07/1963	Herchenroeder	318	571
	3,121,861	06/1960	Alexander	345	207
	3,465,298	09/1969	La Duke	364	474.01
	3,576,540	04/1971	Fair	364	138
	3,591,781	07/1971	Brenza	364	474.28
	3,612,976	10/1971	Tripp	364	183
	3,633,013	01/1972	Dummermuth	318	571
	3,653,161	04/1972	Clark	318	569
	3,699,317	10/1972	Middleditch	364	474.28
	3,883,728	05/13/75	Schwartz et al	235	152
	4,553,222	11/1985	Kurland et al	705	15
	4,614,941	09/1986	Jarvis		
	4,679,082	07/1987	Shibasaki	348	466
	4,803,551	02/1989	Park	348	466
	4,820,222	04/1989	Holmberg et al	345	93
	4,829,372	05/1989	McCalley et al	348	7
	4,897,724	01/1990	Veldhuis		
	4,965,825	10/1990	Harvey et al	380	9
	5,081,523	01/1992	Frazier	348	178
	5,867,166	02/02/99	Myhrvold et al	345	419
OTHER DOCUMENTS <small>(including Author, Title, Date, Pertinent Pages, Etc.)</small>					
RBA	Foley et al., Computer Graphics: Principles & Practice, p. 4-7, 201-203, 230-231, 350-351, 364-371, 864-871 (1992)				

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Sheet 1 of 1

Form PTO—1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Docket Number	Application Number
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	Filing Date	Group Art Unit

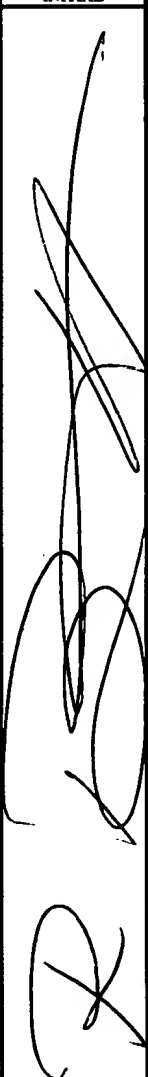
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS
	4,533,942	8/1985	Gall et al	358	78
	4,651,287	3/1987	Tsao	364	519


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Form PTO—1449	Docket Number	342	Sheet 1 of 6
	Application Number		07/763,395
	Applicant		
	Gilbert Hyatt		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Filing Date	September 20, 1991	Group Art Unit

U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS
	2,624,876	01/06/53	Dicke		
	2,678,997	05/18/54	Darlington		
	2,688,124	08/31/54	Doty et al		
	2,760,164	08/21/56	Graham et al		
	2,808,577	10/01/57	Crawford et al		
	2,874,795	02/24/59	Doty et al		
	2,910,134	10/27/59	Crawford et al		
	3,011,582	12/05/61	Peterson		
	3,018,962	01/30/62	Jones et al		
	3,024,994	03/13/62	Buland et al		
	3,065,453	11/20/62	Doty		
	3,325,787	06/67	Angell et al	382	155
	3,459,392	08/69	Buynak et al	244	3.17
	3,555,175	01/71	Griepentrog		
	3,569,940	03/71	McFadden et al		
	3,573,819	04/71	Mason et al	342	46
	3,613,082	10/71	Bouchard	382	159
	3,614,035	10/71	Buynak et al	250	549
	3,630,079	12/71	Hughes et al	73	178
	3,653,001	03/72	Ninke	345	501
	3,673,396	06/72	Seki		
	3,702,477	11/72	Brown	342	451
	3,736,564	05/73	Watkins	340	172.5
	3,747,087	07/73	Harrison, III et al	340	324
	3,781,795	12/25/73	Zegers	340	146.1
	3,783,253	01/74	Anderson et al		
	3,784,969	01/74	Wilckens et al		
	3,810,174	05/07/74	Heard et al	343	5

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	3,830,965	08/74	Beaudette	178	6
	3,890,601	06/17/75	Pietrolewicz	711	164
	3,899,767	08/12/75	Jones	367	11
	3,914,761	10/75	Murase et al	340	366
	3,940,763	02/76	Paradise	342	49
	3,946,381	03/76	Johnson et al	365	116
	3,965,476	06/22/76	Wenander et al	347	256
	4,003,024	01/77	Riganati et al	340	146.3
	4,051,457	09/27/77	Inose et al	340	146.3MA
	4,062,626	12/77	Kawakami et al		
	4,070,710	01/78	Sukonick et al	364	900
	4,124,871	11/78	Morrin, II	358	287
	4,162,541	07/79	Hartke	365	189.8
	4,179,693	12/79	Evans et al	342	64
	4,179,823	10/84	Sullivan et al	358	103
	4,193,073	03/80	Kohnen	342	56
	4,196,448	04/01/80	Whitehouse et al	358	153
	4,204,226	05/20/80	Mistretta et al	378	98.12
	4,208,719	06/80	Lotz et al	364	515
	4,215,366	07/80	Davidson	358	124
	4,245,244	01/13/81	Lijewski et al	345	161
	4,254,400	03/81	Yoda et al	382	194
	4,276,029	06/81	Gilson et al		
	4,283,766	08/11/81	Snyder et al	382	293
	4,290,064	09/15/81	Traster	340	723
	4,293,920	10/81	Merola	364	725
	4,296,434	10/81	Drewery et al		
	4,298,950	11/81	Smith, Jr.	364	726

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	Applicant Gilbert Hyatt	
	Filing Date September 20, 1991	Group Art Unit

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	4,323,880	04/82	Lucas	340	146.3AC
	4,329,708	05/82	Yamamoto et al.		
	4,343,037	08/82	Bolton	364	521
	4,345,272	08/82	Shirota	348	617
	4,355,895	10/82	Cairns et al	356	141
	4,359,733	11/16/82	O'Neill	343	6.5
	4,387,370	06/83	Katagi	345	12
	4,393,380	07/83	Hosokawa et al	345	90
	4,394,060	07/83	Verber et al	385	7
	4,395,729	07/93	Lewis, Jr.	348	508
	4,402,049	08/30/83	Gray	364	447
	4,403,314	09/83	Tournois	367	100
	4,420,819	12/83	Price, et al	710	52
	4,464,733	08/07/84	Misker	710	1
	4,484,230	11/84	Pugsley	358	284
	4,488,174	12/84	Mitchell et al	348	415
	4,513,441	04/85	Henshaw	250	559.39
	4,517,604	05/85	Lasher et al	358	261.1
	4,532,650	07/85	Wihl et al	382	144
	4,553,206	11/85	Smutek, et al	707	101
	4,577,240	03/18/86	Hedberg et al	360	22
	4,598,368	07/86	Umemura	250	369
	4,598,369	07/86	Wang et al		
	4,600,274	07/86	Morozumi		
	4,604,562	08/05/86	Phillips et al	318	640
	4,638,309	01/87	Ott		
	4,652,733	03/24/87	Eng et al	235	375
	4,660,180	4/1987	Tanimura et al	365	222

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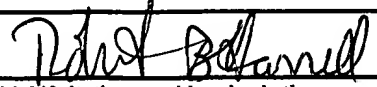
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	Filing Date	Group Art Unit
	September 20, 1991	

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	4,745,483	05/88	Inbar	348	513(X)
	4,799,267	01/89	Kamejima et al	382	1
	4,804,953	02/89	Castleberry	345	93
	4,839,635	07/89	Harris et al	340	752
	4,843,380	06/89	Oakley et al	340	723
	4,860,097	08/89	Hartnack et al		
	4,888,599	12/89	Harwood et al	345	89
	4,910,670	03/90	Smith et al	364	200
	4,941,038	07/90	Walowit		
	4,951,139	05/86	Hamilton	271	9.01
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	4,995,703	02/91	Noguchi	350	333
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	Sherr, "Fundamentals of Display System Design," pp. 162-164, 180-184, 260-268 (1970)				
	THE MOTIVATION FOR INTERACTIVE COMPUTER GRAPHICS; Scientific American 6/1970, pp. 7-8				
	C.J. Hughes et al, "LSI in telephone exchange peripheral units," 6/3/69, pp. 33-34				
	Add. "Central processor made on single MOS chip" (Electronic Design 22), 10/25/70, p.30				

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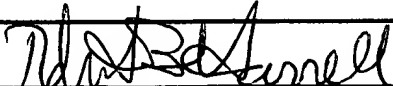
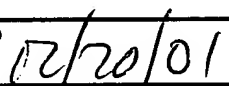
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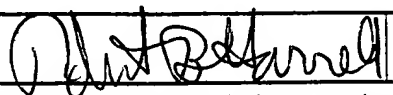
Retention Label for Disclosure Document Serial No. 131747 filed October 17, 1984

Disclosure document No. 131747, "TECHNOLOGICAL INNOVATIONS", Gilbert P. Hyatt, inventor; dated October 17, 1984



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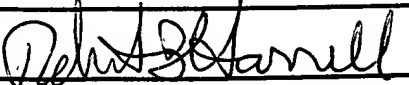
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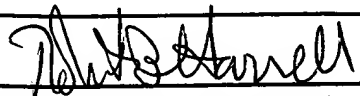
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	4,051,457	09/27/77	Inose et al	340	146.3MA
	4,196,448	04/01/80	Whitehouse et al	358	153
	4,254,400	03/81	Yoda et al	382	194
	4,296,434	10/81	Drewery et al		
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	3,569,940	03/71	McFadden et al		
	3,630,079	12/71	Hughes et al	73	178
	3,653,001	03/72	Ninke	345	501
	3,747,087	07/73	Harrison, III et al	340	324
	3,781,795	12/25/73	Zegers	340	146.1
	3,830,965	08/74	Beaudette	178	6
	3,914,761	10/75	Murase et al	340	366
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	4,124,871	11/78	Morrin, II	358	287
	4,162,541	07/79	Hartke	365	189.8
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	3,702,477	11/72	Brown	342	451
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	3,890,601	06/17/75	Pietrolewicz	711	164
	3,940,763	02/76	Paradise	342	49
	3,965,476	06/22/76	Wenander et al	347	256
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	4,193,073	03/80	Kohnen	342	56
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	4,604,562	08/05/86	Phillips et al	318	640
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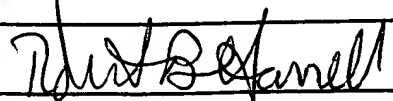
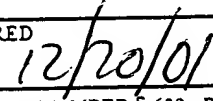
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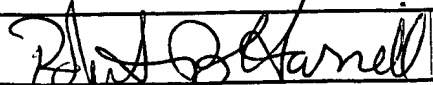
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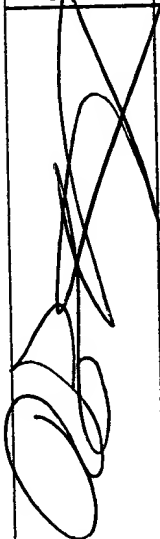
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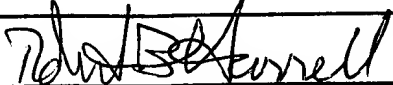
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Retention Label for Disclosure Document Serial No. 131747 filed October 17, 1984

Disclosure document No. 131747, "TECHNOLOGICAL INNOVATIONS", Gilbert P. Hyatt, inventor; dated October 17, 1984

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